



## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/788,898  
Source: IFWO  
Date Processed by STIC: 8-10-04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER  
VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND  
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. ~~Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04):~~  
U.S. Patent and Trademark Office, 220 20<sup>th</sup> Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

### Raw Sequence Listing Error Summary

**ERROR DETECTED**

SUGGESTED CORRECTION

**SERIAL NUMBER:**

10	788,898
----	---------

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1      **Wrapped Nucleics**  
**Wrapped Aminos** The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2      **Invalid Line Length** The rules require that a line not exceed 72 characters in length. This includes white spaces.

3      **Misaligned Amino**  
**Numbering** The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.

4      **Non-ASCII** The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

5      **Variable Length** Sequence(s)      contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6      **PatentIn 2.0**  
**"bug"** A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s)     . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.

7      **Skipped Sequences**  
**(OLD RULES)** Sequence(s)      missing. If intentional, please insert the following lines for each skipped sequence  
(2) INFORMATION FOR SEQ ID NO X: (insert SEQ ID NO where "X" is shown)  
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
(xi) SEQUENCE DESCRIPTION: SEQ ID NO X: (insert SEQ ID NO where "X" is shown)  
This sequence is intentionally skipped.

Please also adjust the "(ii) NUMBER OF SEQUENCES" response to include the skipped sequences.

8      **Skipped Sequences**  
**(NEW RULES)** Sequence(s)      missing. If intentional, please insert the following lines for each skipped sequence  
<210> sequence id number  
<400> sequence id number  
000

9      **Use of n's or Xaa's**  
**(NEW RULES)** Use of n's and/or Xaa's have been detected in the Sequence Listing.  
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10      **Invalid <213>**  
**Response** Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence.

11 X **Use of <220>** Sequence(s) 1-6 missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." (Please explain source of genetic material in <220> to <223> section.)  
(See "Federal Register," 6001/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

12      **PatentIn 2.0**  
**"bug"** Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13      **Misuse of n/Xaa** "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid



IFWO

## RAW SEQUENCE LISTING

DATE: 08/10/2004

PATENT APPLICATION: US/10/788,898

TIME: 11:32:47

Input Set : A:\21973US.ST25.txt

Output Set: N:\CRF4\08102004\J788898.raw

3 <110> APPLICANT: Hunter, Cornelius G.  
 5 <120> TITLE OF INVENTION: Protein Sequence Signals and Their Applications  
 7 <130> FILE REFERENCE: 021973-000100US  
 9 <140> CURRENT APPLICATION NUMBER: us 10/788898  
 10 <141> CURRENT FILING DATE: 2004-02-26  
 12 <160> NUMBER OF SEQ ID NOS: 6  
 14 <170> SOFTWARE: PatentIn version 3.2  
 16 <210> SEQ ID NO: 1  
 17 <211> LENGTH: 9  
 18 <212> TYPE: PRT  
 19 <213> ORGANISM: Artificial  
 21 <220> FEATURE:  
 22 <223> OTHER INFORMATION: Artificial sequence  
 24 <400> SEQUENCE: 1  
 26 Ala Asn Ile Ser Val Tyr Tyr Glu Met  
 27 1 5  
 30 <210> SEQ ID NO: 2  
 31 <211> LENGTH: 9  
 32 <212> TYPE: PRT  
 33 <213> ORGANISM: Artificial  
 35 <220> FEATURE:  
 36 <223> OTHER INFORMATION: Artificial sequence  
 38 <400> SEQUENCE: 2  
 40 Thr Ser Phe Asn Phe Trp Met Gly Val  
 41 1 5  
 44 <210> SEQ ID NO: 3  
 45 <211> LENGTH: 9  
 46 <212> TYPE: PRT  
 47 <213> ORGANISM: Artificial  
 49 <220> FEATURE:  
 50 <223> OTHER INFORMATION: Artificial sequence  
 52 <400> SEQUENCE: 3  
 54 Ser Gly Cys Gly Leu Ile Leu Asn Cys  
 55 1 5  
 58 <210> SEQ ID NO: 4  
 59 <211> LENGTH: 11  
 60 <212> TYPE: PRT  
 61 <213> ORGANISM: Artificial  
 63 <220> FEATURE:  
 64 <223> OTHER INFORMATION: Artificial sequence  
 66 <400> SEQUENCE: 4  
 68 Pro Ala Gly Glu Gln Glu Ala Phe Pro Pro Asn  
 69 1 5 10

Does Not Comply  
Corrected Diskette Needed

See item 11 on error  
summary sheet

Does Not Comply  
Corrected Diskette Needed

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/788,898

DATE: 08/10/2004

TIME: 11:32:47

Input Set : A:\21973US.ST25.txt

Output Set: N:\CRF4\08102004\J788898.raw

72 <210> SEQ ID NO: 5  
73 <211> LENGTH: 7  
74 <212> TYPE: PRT  
75 <213> ORGANISM: Artificial  
77 <220> FEATURE:  
78 <223> OTHER INFORMATION: Artificial sequence  
80 <400> SEQUENCE: 5  
82 Ala Arg Gln Glu Leu Lys Met  
83 1 5  
86 <210> SEQ ID NO: 6  
87 <211> LENGTH: 8  
88 <212> TYPE: PRT  
89 <213> ORGANISM: Artificial  
91 <220> FEATURE:  
92 <223> OTHER INFORMATION: Artificial sequence  
94 <400> SEQUENCE: 6  
96 Cys Ile Leu Met Phe Trp Tyr Val  
97 1 5

RAW SEQUENCE LISTING ERROR SUMMARY

DATE: 08/10/2004

PATENT APPLICATION: US/10/788,898

TIME: 11:32:48

Input Set : A:\21973US.ST25.txt

Output Set: N:\CRF4\08102004\J788898.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/788,898

DATE: 08/10/2004

TIME: 11:32:48

Input Set : A:\21973US.ST25.txt

Output Set: N:\CRF4\08102004\J788898.raw